

L1	1	S E3	E 683777-14-2/RN
L2	2	S E15, E19	E 683776-99-0/RN
L3	1	S E27	E 683776-46-7/RN
L4	1	S E39	E 683776-45-6/RN
L5	1	S E51	E 683777-24-4/RN
L6	1	S E63	E 683777-25-5/RN
L7	1	S E75	E 683777-26-6/RN
L8	1	S E87	E 683776-47-8/RN
L9	1	S E99	E 683776-48-9/RN
L10	1	S E111	E 683776-57-0/RN
L11	1	S E123	

FILE 'CAPLUS' ENTERED AT 08:44:35 ON 19 MAY 2009

L12                      15 S L1-L11

L13                    0 S L12 AND (PY<2002 OR AY<2002 OR PRY<2002)

FILE 'REGISTRY' ENTERED AT 08:47:05 ON 19 MAY 2009

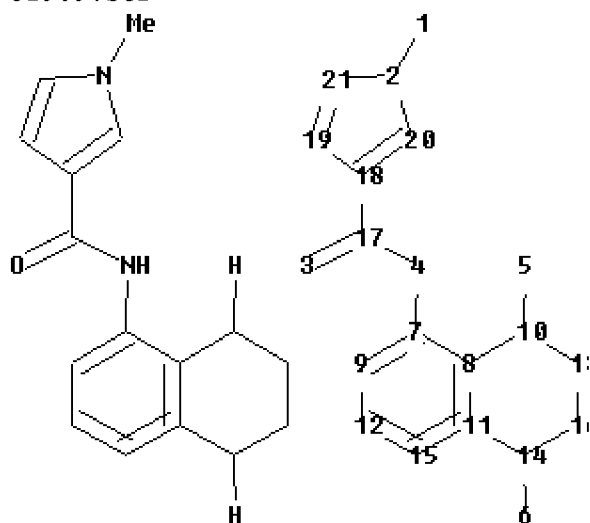
L14 STRUCTURE UPLOADED

L15                      3 S L14 SSS SAM

L16                    48 S L14 SSS FULL

 $\Rightarrow$ 

Uploading C:\Program Files\STNEXP\Queries\10530737 extended search  
51909.str



```
chain nodes :
```

1    3    4    5    6    17

```
ring nodes :
```

2 7 8 9 10 11 12 13 14 15 16 18 19 20 21

chain bonds :  
 1-2 3-17 4-7 4-17 5-10 6-14 17-18  
 ring bonds :  
 2-20 2-21 7-8 7-9 8-10 8-11 9-12 10-13 11-14 11-15 12-15 13-16 14-16 18-19 18-20 19-21  
 exact/norm bonds :  
 2-20 2-21 3-17 4-7 4-17 7-8 7-9 8-10 8-11 9-12 10-13 11-14 11-15 12-15 13-16 14-16 18-19 18-20 19-21  
 exact bonds :  
 1-2 5-10 6-14 17-18

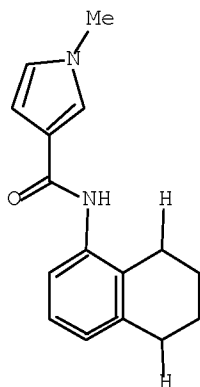
Match level :  
 1:CLASS 2:Atom 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:Atom 8:Atom  
 9:Atom 10:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom  
 17:CLASS 18:Atom 19:Atom 20:Atom 21:Atom

L14 STRUCTURE UPLOADED

=> d l14

L14 HAS NO ANSWERS

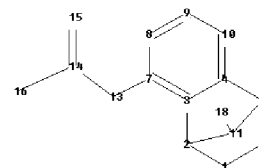
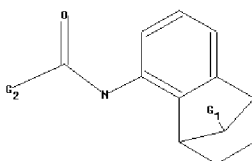
L14 STR



FILE 'CAPLUS' ENTERED AT 08:47:59 ON 19 MAY 2009  
 L17 4 S L16  
 L18 1 S L17 AND (PY<2002 OR AY<2002 OR PRY<2002)  
 E EHRENFREUND JOSEF?/AU  
 L19 100 S E134  
 L20 3 S L19 AND L16  
 L21 0 S L20 AND (PY<2002 OR AY<2002 OR PRY<2002)  
 L22 31 S L19 AND (MICROBI? OR ANTIMICRO? OR FUNGICID? OR  
 ANTIFUNG?)  
 L23 8 S L22 AND (PY<2002 OR AY<2002 OR PRY<2002)

FILE 'REGISTRY' ENTERED AT 08:55:35 ON 19 MAY 2009  
 L24 STRUCTURE UPLOADED  
 L25 0 S L24  
 L26 0 S L24 SSS FULL

FILE 'REGISTRY' ENTERED AT 08:59:15 ON 19 MAY 2009  
 L27 STRUCTURE UPLOADED  
 L28 1 S L27 SSS SAM  
 L29 96 S L27 SSS FULL  
 Uploading C:\Program Files\STNEXP\Queries\10530737 last 51909 2.str



chain nodes :  
 13 14 15 16 18  
 ring nodes :  
 1 2 3 4 5 6 7 8 9 10 11  
 chain bonds :  
 7-13 11-18 13-14 14-15 14-16  
 ring bonds :  
 1-2 1-6 2-3 2-11 3-4 3-7 4-5 4-10 5-6 5-11 7-8 8-9 9-10  
 exact/norm bonds :  
 1-2 1-6 2-3 2-11 4-5 5-6 5-11 7-13 11-18 13-14 14-15 14-16  
 normalized bonds :  
 3-4 3-7 4-10 7-8 8-9 9-10

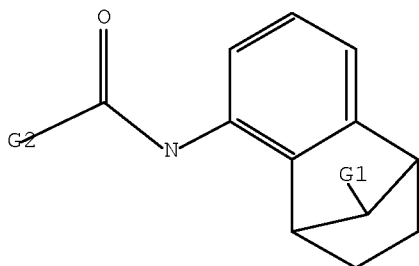
G1:CH3,Et,n-Pr,i-Pr,n-Bu,i-Bu,s-Bu,t-Bu

G2:Cb,Cy,Hy

Match level :  
 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom  
 10:Atom 11:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 18:CLASS

L27 STRUCTURE UPLOADED

=> d 127  
 L27 HAS NO ANSWERS  
 L27 STR

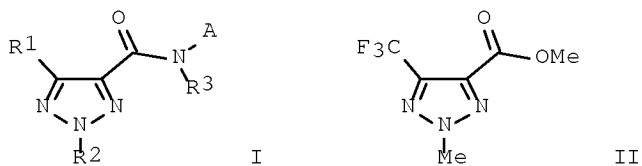


G1 Me,Et,n-Pr,i-Pr,n-Bu,i-Bu,s-Bu,t-Bu  
G2 Cb,Cy,Hy

FILE 'CAPLUS' ENTERED AT 08:59:59 ON 19 MAY 2009  
L30 39 S L29  
L31 0 S L30 AND (PY<2002 OR AY<2002 OR PRY<2002)  
L32 2 S L30 AND (PY<2003 OR AY<2003 OR PRY<2003)  
TI Preparation of heterocyclocarboxamides and tricyclic amines as fungicides  
ACCESSION NUMBER: 2004:354949 CAPLUS Full-text  
DOCUMENT NUMBER: 140:375164  
TITLE: Preparation of heterocyclocarboxamides and tricyclic amines as fungicides  
INVENTOR(S): Ehrenfreund, Josef; Tobler, Hans; Walter, Harald  
PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.  
SOURCE: PCT Int. Appl., 58 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004035589	A1	20040429	WO 2003-EP11388	
20031014 <--				
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,			

TG  
L32 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2009 ACS on STN  
GI



AB Title compds. I [A = ortho-substituted aryl or heteroaryl ring system; R1 = halo, CN, NO2, alkyl, haloalkyl, alkoxy, haloalkoxy, (un)substituted alkene, etc.; R2 = alkyl, haloalkyl, alkoxyalkyl, etc.; R3 = H, (un)substituted-alkyl, -propargyl, -alkoxy, etc. ] were prepared and disclosed as having antifungal activity. Thus, e.g., II was prepared via methylation of 1,2,3-triazole-4,5-dicarboxylic acid di-Me ester, with subsequent monohydrolysis and fluorination of the carboxylic acid moiety to the trifluoromethyl moiety. I were tested against 9 different agriculturally relevant fungi with varying degrees of efficacy observed Addnl., a composition of I with a suitable carrier for controlling microorganisms and preventing attack and infestation of plants therewith is claimed.

TI Preparation of triazolyldicarboxylic acid derivatives with antifungal activity for agricultural use

ACCESSION NUMBER: 2004:182852 CAPLUS Full-text

DOCUMENT NUMBER: 140:235719

TITLE: Preparation of triazolyldicarboxylic acid derivatives

with antifungal activity for agricultural use  
INVENTOR(S): Ehrenfreund, Josef; Tobler, Hans; Walter, Harald

PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.

SOURCE: PCT Int. Appl., 82 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2004018438	A2	20040304	WO 2003-EP9111	
20030818 <--				
WO 2004018438	A3	20040826		
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LR,  
 OM,  
 TN,  
 BY,  
 ES,  
 TR,  
 TG

LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ,  
 PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
 TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW  
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 FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,  
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,

E TOBLER HANS?/AU  
 L33 13 S E145-E146, E148  
 L34 0 S L33 AND (MICROBI? OR ANTIMICRO? OR FUNGICID? OR  
 ANTIFUNG?)  
 E WALTER HARALD/AU  
 L35 147 S E159  
 L36 63 S L35 AND (MICROB? OR ANTIMICRO? OR FUNGICID? OR FUNG?  
 OR ANTIF  
 L37 23 S L36 AND (PY<2002 OR AY<2002 OR PRY<2002)